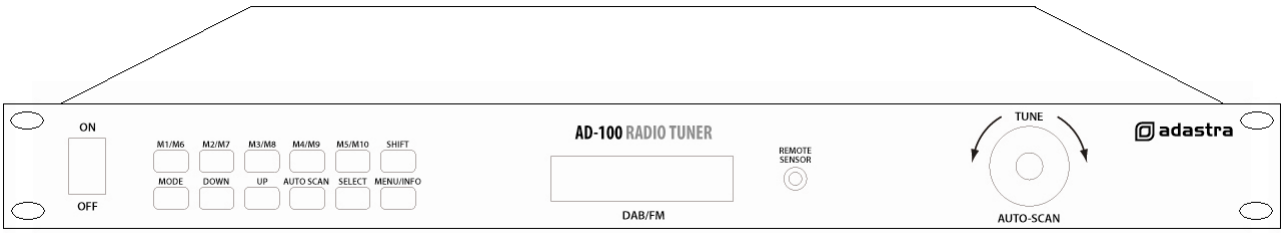


AD-100
DAB/FM RADIO TUNER

OWNERS MANUAL

Version 1.0

Safety information

1. Please read these instructions before operating.
2. Keep these instructions for future reference.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this item near moisture.
6. Clean only with dry cloth.
7. Do not block any of the ventilation openings.
8. Do not install near any heat sources such as radiators, stoves or other items (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarised plug. The wide blade is provided for your safety. If the provided plug does not fit into the item or the mains socket, consult an electrician for replacement.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and point where they exit from the item.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with a stand, tripod, bracket or table suitable for support.
13. Unplug this item during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the item has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen onto the item, the item has been exposed to rain or moisture, does not operate normally, or has been dropped (Note: Accidental or cosmetic damage is not covered by the items 12 month warranty)
15. Please keep the unit in a safe environment.
16. Do not store anything on top of the item

CAUTION: To reduce the risk of electric shock, do not remove any cover. No user-serviceable parts inside. Refer servicing to qualified service personnel only.

The lightning flash with arrowhead symbol within the equilateral triangle is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.

The exclamation point within the equilateral triangle is intended to alert the user to the presence of important operation and maintenance (servicing) instructions in the literature accompanying this appliance.

ADASTRA AD-100

Main Features:

- DAB & FM Tuner
- Auto tune
- Radio station display RSD
- 9 Preset memory
- IR remote control
- 1U 19” rack mountable
- Supplied with antenna

Accessories

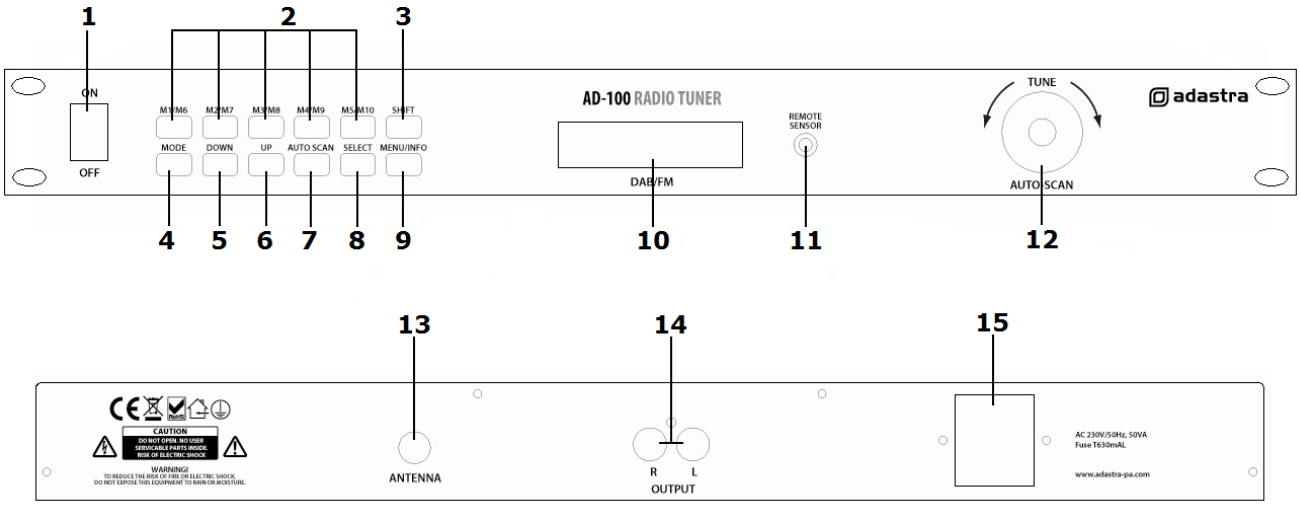
- 1 x UK power cable
- 1 x EU power cable
- 1 x Remote control
- 1 x Instruction manual

General Checks and Advice

1) Installation

    - Place the unit on a flat surface or mount in a secure rack case.
    - Be sure the player is mounted in a well ventilated area and is not exposed to direct sunlight, high temperatures or high humidity.
    - Keep the unit as far away as possible from TVs and tuners as the unit may cause undesirable interference to these devices.

General Functions and Controls



1. **POWER SWITCH -** This switch is used to control the unit's main power.

2. **PRESET MEMORY 1-10 –** Press to select the pre set radio stations 1-5 or to access the secondary memory 6-10 press shift followed by the marked number. To save a preset station to a memory button press and hold the number you want to save to for 5 seconds and the unit will auto store.

3. **SHIFT** – Used to access secondary functions on the control panel.

4. **MODE -** The receiving band is changed between DAB and FM frequencies.

5. **DOWN** – Press to decrease the receiving frequency by 50kHz.

6. **UP** – Press to increase the receiving frequency by 50kHz.

7. **AUTO SCAN** – Press to start auto scanning feature. Once finished use the control wheel to select the station.

8. **SELECT** – Press to confirm a selection.

9. **MENU/INFO** – Press to see the details of the radio station (DAB only)

10. **DISPLAY** – Alpha numeric display.

11. **REMOTE SENSOR** – Infrared sensor for remote control.

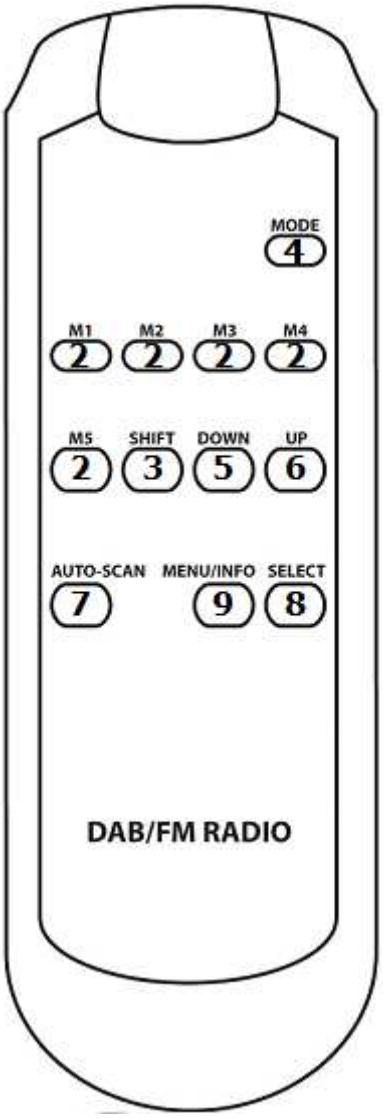
12. **CONTROL WHEEL –** Move left and right to toggle through the radio stations and press to confirm.

13. **ANTENNA –** Screw slot for the supplied antenna. This is needed especially for DAB signal

14. **RCA OUTPUT** – Unbalanced audio left and right.

15. **IEC POWER INPUT** – IEC socket for the supplied power lead.

Remote Control:



Please refer to the previous section to identify the functions of each button

Specification:

1. GENERAL SECTION
2. Digital processing FM tuner & DAB+
3. 10 preset memories for FM tuner
4. Input/output
   i. Input: FM 75 ohm unbalanced antenna terminals.
   ii. Output: RCA audio output
5. Power supply: 230V AC
6. Power consumption: 50VA
7. Weight: 3.35kg
8. Dimension: 482mm * 44mm * 185mm

Electrical performance specifications:

1-1. FM section:

Parameter	Value	Unit
FM Tuning range	87.5–108	MHz
Sensitivity	10	uV emf
Audio Stereo Separation	30	dB
Audio Output Voltage	400mV	mV rms
Audio(S+N)/N	50	dB
Audio THD	0.3	%
FM step Frequency	50	KHz

1-2. DAB+ section:

Parameter	Value	Unit
DAB frequency range	174.928~239.2	MHz
Adjacent Channel Selectivity	31	dB
Far-off selectivity	49	dB
Sensitivity	-96	dB

FOR MORE INFORMATION ON ADASTRA PRODUCTS VISIT

WWW.ADASTRA-PA.CO.UK